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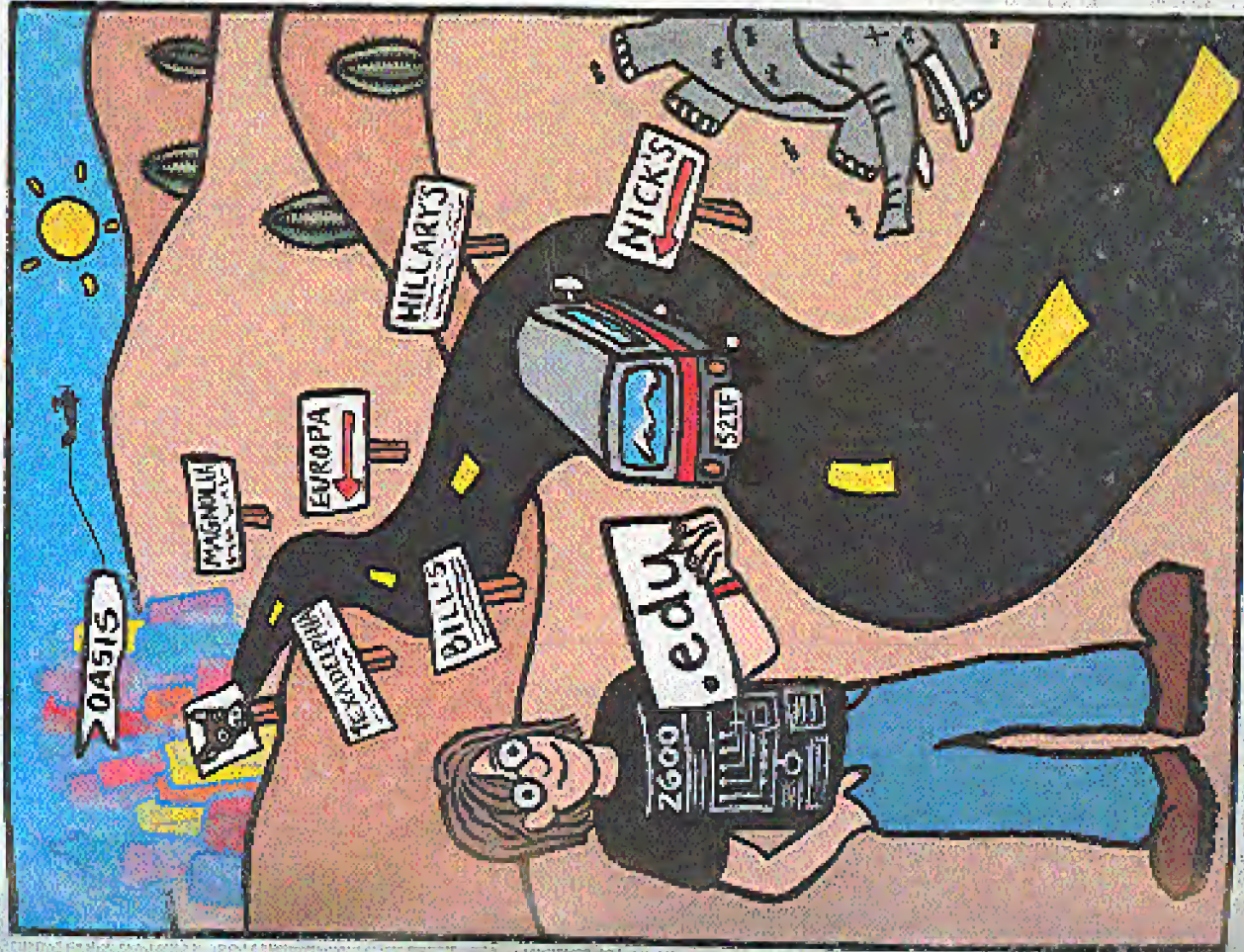
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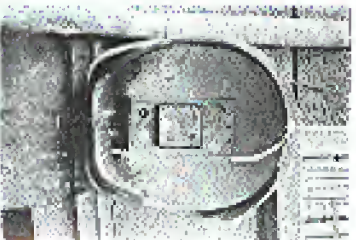
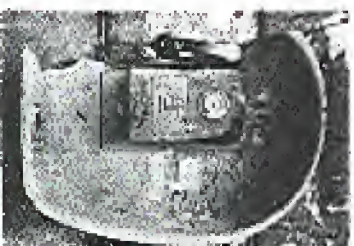
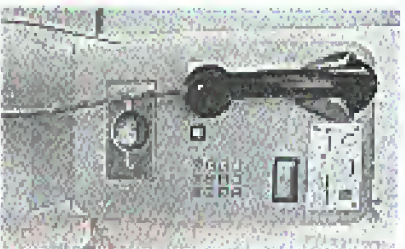
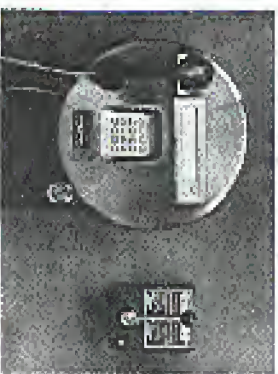
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EUROPEAN PAYPHONES



LEFT TO RIGHT FROM THE TOP: Budapest, Hungary; Salzburg, Austria; Munich, Germany (with emergency call handle - left for fire, right for police); Sofia, Bulgaria ("Out of Order" written above dialer); Sofia, Bulgaria ("Out of Order" strongly implied).
PHOTOS BY AISHON

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"The Secret Service didn't do a good job in this case. We know no investigation took place. Nobody ever gave concern as to whether statutes were violated. We know there was damage." - Judge Sparks, Steve Jackson vs. Secret Service, January 28, 1997

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Cellular Magic

by Boetiger

Let me start out by saying this article won't be in the best of English because I'll be skipping around a little quoting data from various manufacturers' press releases. It will however allow anyone who reads it thoroughly and opens his/her eyes to equipment operating within the extremely confusing reporting world.

ESS's (Electronic Serial Number) system allows you to identify a cellular phone's unique serial number.

MIN's (Mobile Identification Number) system is used to identify a cellular phone's unique serial number.

Reverse Channel: The channel the cellular phone uses to receive calls.

Forward Channel: The channel the cellular phone uses to transmit calls.

Remember these key terms as they are the secret to understanding cellular technology. Most cellular phones use the ESS/MIN located in an integrated circuit located somewhere in the cellular handset. Older cellular phones use ESS's. These are usually 2N725 or 2N7214 diodes which can be tested or checked by a standard open hardware. They also operate in the cellular's programming which can be changed.

When you power up a cellular, it sends its ESS/MIN to the cell site on the reverse channel. The cell site then returns the MIN with an OK signal if their database verifies the ESS/MIN. Some newer cell site software will verify the ESS/MIN with the CO before allowing the call. If everything is OK, the cellular will then be able to place a call.

The main advantage ESS/MIN is that they can be operated by equipment where you'll find them. It seems like some carriers have captured other people's ESS/MIN's and buried them, creating a hidden cellular phone in one or the other. Some carriers if their location base gives us for so generally changing the phone software, allowing the program jumps from the CO/MIN address to the CO to an address location that can be programmed the memory via the handset. Yet another carrier has in their some case got us for 2N725 programming the software to capture other carriers' ESS/MIN's and automatically store the data in memory. This naturally allows anyone to place fraudulent calls while frequently changing ESS/MIN's to avoid all forms of detection.

The cell sites usually use frequencies on the same channel as a base to forward channels. The reverse channels are usually 45 MHz below the forward channels. These reverse channels are the ones scanned by "sniffer" type radio receivers. ESS/MIN's for freemove users. Note that one "sniffer" can scan one can use a 220 MHz computer on the same economic software or some cellular. The share of it 1100 Other cellulars use different base frequencies

transmitters of which complete descriptions are available on the Internet.

Now that you have the theory behind cellular technology, let's continue on to some programming and how you can use it.

Cellular Database: A cell system keeps the service area time small. It has a base station and cell. A cell system has a unique pattern of these cells, each having a unique radio frequency. It is called a "cell" because each cell has a unique radio frequency. The base station and cell are all connected to an MTSO which is in turn connected to a CO (Central Office switch). Each cell operates on its assigned channel and may have multiple paging and voice channels assigned to it.

The cellular radio frequencies have been divided by the FCC into several bands. In other words, there are systems to be used and compare in the same area. Originally, there were 600 channels, but that was exceeded 2000 in 1988 and with NAMPS is 2112 in 1991.

Band A: 800-815 MHz

Band B: 815-830 MHz

Band C: 830-845 MHz

Band D: 845-860 MHz

Band E: 860-875 MHz

Band F: 875-890 MHz

Band G: 890-905 MHz

Band H: 905-920 MHz

Band I: 920-935 MHz

Band J: 935-950 MHz

Band K: 950-965 MHz

Band L: 965-980 MHz

Band M: 980-995 MHz

Band N: 995-1010 MHz

Band O: 1010-1025 MHz

Band P: 1025-1040 MHz

Band Q: 1040-1055 MHz

Band R: 1055-1070 MHz

Band S: 1070-1085 MHz

Band T: 1085-1100 MHz

Band U: 1100-1115 MHz

Band V: 1115-1130 MHz

Band W: 1130-1145 MHz

Band X: 1145-1160 MHz

Band Y: 1160-1175 MHz

usually the phone's software has to be able to handle 30 MHz of range. This feature was used to decrease cell site where coverage. Some cell site software is capable making this trick obsolete for parkers. Note that you cannot change the USSD (USSD Number) program unless you have the software (the system software).

One must know there is no "characteristic" involved in the first generation of cellular systems. All three cells have systems there is built on no overlapping equipment of any sort.

There are a lot of 3-way, 1.2-way, and 600 million cellular phones in use today. Although this is mind of the power of a cellular phone is stored in RAM and transmitted along with the ESS/MIN's and the coding rate of 2000/3-way - mobile. It was a breakthrough, 24 channels - possible.

IS-41: The carrier standard that will be used to describe the channel, number, base, and address cells and transfer subscriber data provides (between wireless systems). This document contains a lot of useful info and can be found at public libraries, etc. IS-41 is published by AT&T, although the original copy is published in 1987 or so. A published in 1990 may come to hand, when dealing with AT&T or MTSO's (Mobile Telephone Switching Offices) that haven't upgraded yet.

MTSO's typically use first order links to cell sites or an IS-41 microwave link. A cell site or antenna probably uses a 2N725 microwave link to a microwave transmitter. TDMA and CDMA are both systems to receive the industry standard.

SS7: As soon as a user turns on a cell phone, the MTSO's for that phone will be notified as an SS7 network message in a database known as the home location register (HLR) within the user's home system. The HLR will provide information for activation as well as customer profile info for advanced features such as voice mail. That info will then be relayed to a second database, the visitor location register, maintained by the carrier that is hosting the roaming call. They hope to reduce handling the HLR with real time calculation as a goal.

The external system is made to detect fraud and a fraud center has made the first call. This system simply uses a customer's calling profile in order to detect unusual calling patterns. These changes ESS/MIN's when cannot be detected.

Cell ID: Cell ID is used to identify a cell phone. The cell ID is stored in the HLR and is used to identify the cell phone. The cell ID is used to identify the cell phone in order to identify the cell phone. The cell ID is used to identify the cell phone in order to identify the cell phone.

Reverse frequency: 824-825 MHz
Forward frequency: 825-824 MHz
Cell on channel frequency: 825-824 MHz and 824-825 MHz
Turned off frequency: 825-824 MHz and 824-825 MHz

800 MHz
Forward reverse 824-825 MHz, 800-800 MHz, 800-824 MHz, 824-800 MHz
Channel spacing: 30 MHz AMPS or 10 MHz NAMPS

Reverse Channel Info:
Voice channels are used primarily for conversation, with signaling used with quick dial buttons to handle cell to cell handoffs, unique power control of the cellular radio phone, and special control features. Forward data from the cell site and reverse data from the cell phone are sent using frequency shift keying. The data is formatted into groups of bytes with a distinct timing, possible that allows the receiver to synchronize to the incoming data. With AMPS, various codes are used. With NAMPS, the data and codes have been replaced by 800 variable digital equipment that code under the radio. Use EIA-553 for AMPS or Motorola's NAMPS air interface specification for NAMPS.

Signaling Tone (ST) and Digital ST (DST):
In AMPS, the signaling tone is a 20 KHz signal used by the mobile to the cellular channel (CH) to signal activation or to acknowledge commands from the cell site, including handoffs, alert orders, call terminations, and switched operations. Various tone lengths are used on different ST activities. On NAMPS channels, ST is replaced by a digital equivalent called Digital ST (DST), which is the complement of the assigned DSAT. The 10 KHz signal is sent for 50 milliseconds.

SAT (Supervisory Audio Tone) and DSAT (Digital SAT):
The supervisory audio tone (SAT) is one of three frequencies.
SAT 10: 2070 Hz, SAT 11: 6000 Hz, SAT 21: 6000 Hz (for 2070 Hz), SAT 22: 6000 Hz (for 6000 Hz). These are used in AMPS signaling. On NAMPS channels, SAT is replaced by one of seven sub-carrier digital equivalents or voice-coded DSAT.

SAT or DSAT: is generated by the cell site, needed for frequency or accuracy by the cell phone. There are expected back to the cell site on the REVERSE voice channel (RVCC). The cellular telephone uses (DSAT) to verify that it is in the correct channel when a new voice channel assignment. When the CO signals the mobile regarding the new voice channel, it also tells the mobile of the SAT/DSAT of the (DSAT) voice to appear on the new channel. The returned (DSAT) is used at the cell site to verify the presence of the telephone's signal on the assigned frequency.

DSAT: is 200 Hz deviation.
Data Transmission at 19.2 Kbps: Used for sending system info and mobile identification. In cellular, the data is transmitted as frequency key signaling. When the number is shifted 824-825 or AMPS (200 Hz) in NAMPS to represent a high high (200 Hz) in NAMPS, it represents a basic low (0 or 30

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TROUBLE IN THE WHITE HOUSE

by Charlie Zee

Tuesday, January 26, the White House phone number 455-1414 is busy. In fact, all the White House numbers seem to be busy. And so it's been for the past few days at the White House. There's no way to get through. Is there something wrong with the White House phones? No, says Robert Calhoun, assistant to Delano Lewis, president of Q&P Telephone. "We checked on it yesterday. The actual equipment is working fine. There is just a tremendous amount of calls coming into the White House switchboard as well as the Capitol. It appears to me personally that this is something new. That people want to take an interest in their government. They want to speak to the president directly."

Perhaps. But this has been going on for days. Old-timers have never seen anything like it. There were some lines during the Watergate stories that the lines would get busy, and the day after Reagan was shot. But hour after hour? Day after day? The White House phone system is designed to handle demands comparable to those of, say, Desert Storm. It has its own dedicated central office size switching center, said Michael Daley, a spokesman for Q&P. The telephone company's normal central offices in Washington usually route traffic for dozens of blocks of office buildings.

As far as what's answering those many lines, the White House won't say. Alex Nagy, director of telephone services (called at the same number he had during the Bush administration), would not even come

to the phone. His assistant said: "We do not give out any details."

However, one former White House staffer said there are perhaps a half dozen operators usually working at any one time. He said they are the top of their profession and career civil servants.

It's definitely not business as usual at the White House according to Joel Garreau of the Washington Post. High and low officials throughout town, supplicants and power brokers, can't get through. At a key moment in the recent confirmation hearings for Attorney General-designate Zoe Baird, Senator Joseph Biden got so frustrated trying to get through to the president that he told aides if he don't hear from Bill Clinton in five minutes, he was going out to the floor to flatly announce his opposition. That broke through the clutter. Somewhere Clinton got back to him instantly.

Is it easier for the Russians? With the hot line and all? No, said embassy press counselor Vladimir Danbenav at 347-1347. The White House's direct connection is only to Moscow, not the embassy.

What about the Iraqis? How would they get through to the president? Fine a few rounds at the Kittyhawk? A hurried call to their embassy at 483-7500... No, we have not been having any particular problem with the White House phones, came the answer. That's because we can't call the White House much. Our problem is with the United Nations.

And bypassing the White House switchboard and trying to reach somebody's direct line is no snap. Call

the old number for the press office listed in the Astor-Journal's Capitol Source directory, and the call is answered by the office of the chief of staff. Ask them if anybody is keeping track of how many incoming calls there have been, and you are directed to the staff secretary. Ask who is the head of that, and the person at the office of the chief of staff does not know. There's no new White House phone directory out yet even for people inside the building. Track is being kept on the backs of envelopes; some numbers have changed. "We're working on hit-or-miss temporary listings. They're not complete," said one White House source.

On January 26, the telephonic gridlock had sloshed over into the Capitol Hill lines. The office of Senator Dan Coates (R-Iowa), a vocal opponent of Clinton's proposal to rescind the ban on homosexuals serving in the armed forces, numbers about 1,000 by Tuesday night - about 16 to 1 in favor of the ban, the Associated Press reported. The office of one prominent liberal senator said it received 600 to 700 calls, with a majority in favor of allowing homosexuals in the military, said an aide.

And the main Capitol Hill number, 224-3121, has remained busy. Could this all be people wound up in the gay issue? In fact, no, said one White House official when finally reached. "The switchboard is totally swamped, but the calls are running about 50-50," said the source. "Half concern the issue of gays in the military. But the other half is people who are perceiving waffles on campaign pledges. Clinton promised many things. And now people are worried that things are not going to turn out that way. People are more involved with this administration

than in the past. Even the [mechanized] comment line has never been like this. Everybody and their brother feels like they can call in, and right now, they are."

Then again, some of those calls are like the ones made to David Watkins. If anybody should know what's going on with the phones, he ought to be the one, seeing as how he's assistant to the president for the office of administration and management. And somebody had him listed at 455-6797.

That, in fact, turns out to be the office of the chief of staff, which could still make sense since that's who he works for, according to the table of organization handed out back in Little Rock. But no. The person who answered the phone at the office of the chief of staff said she did not have him on any of her lists. Nor did she know where he sat or what his phone number might be. In fact, she had never heard of him.

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beige box construction

by The Phoenix

Many tasks involving phone line work (such as installing a new extension, etc.) are much easier when you have a lineman's handset. Since a typical tone/pulse switchable model sells for about \$300 many people opt to build their own. Such an improvised handset is called a beige box. I will begin this article by repeating the instructions for making one. Next I will mention what the lineman's handset has that the generic box lacks and explain how to add these features.

To construct a basic beige box you need a one piece phone, preferably pulse/tones switchable, a pair of alligator clips (one red and one black for the traditional look), and some tools (wire cutters, wire strippers, long nose pliers, Pyc electrical tape, and a soldering iron). If the phone has no line cord you will need that, too.

Cut the wire about four feet from the phone. Expose and strip the red and green wires. Connect the red alligator clip to the red wire and the black clip to the green wire. For a good connection these should be soldered. Wrap the connections in electrical tape. It's that simple! In the off-hook state this device will behave just like a lineman's handset in the Talk mode.

Lineman's handsets have a Talk/Monitor switch instead of a switchhook. In the Monitor mode it

does not merely go on-hook like our beige box; it becomes a live tap. You can monitor everything which transpires on the line; an indispensable feature and if no phones are off-hook you will hear a background hum. If you pick up an extension you will hear the click and dial tone. It will not interfere with rotary dialing. If an incoming call arrives you hear the ringing signal (a loud purring).

To add this feature to your beige box you will need a .47 microfarad 250 V capacitor (non electrolytic), an audio matching transformer: eight ohms to 1000 ohms (Radio Shack Cat. #273-1380 will be used in the example), a DPDT switch, and some wire. Refer to Figure 1. Open the phone. Locate the point where the line cord enters. The red wire is the "ring" and is labeled "R" in the figure. The green ("tip") is labeled "T".

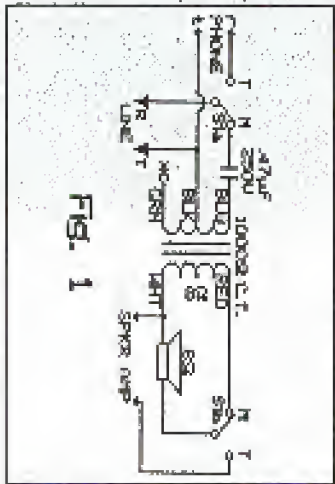


FIG. 1

Points "T" and "R" (lower case) are the points where the points where these connect to the phone circuitry. Disconnect the Ring from the phone circuitry and connect it to the center of one pole of the switch. Run a line from one leg to the point where the Ring used to be. Connect the capacitor to the other leg. Solder the other capacitor lead to the transformer's blue lead. Connect the black lead to the tip. Ignore the green transformer lead (cut it off if it annoys you). The high impedance side is complete.

Now the eight ohm side. Find the earphone leads. (If the colors give any clue as to polarity put the switch on the positive one.) Connect the white wire from the transformer to one of the speaker wires. Disconnect the other speaker wire from

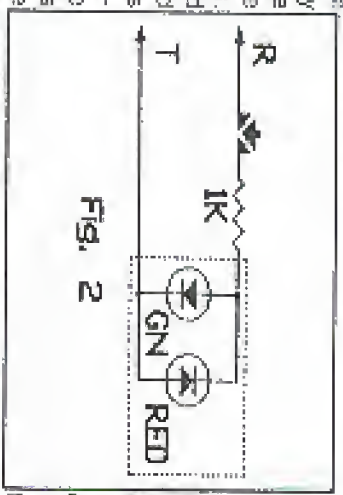


FIG. 2

the main circuitry and solder it to the center of the free pole on the switch. Attach the red transformer lead to the leg on this pole which corresponds to the capacitor's position on the other pole, i.e. the Monitor position. The remaining switch terminal should be connected to the point from which the speaker wire was removed. With this modification the switchhook becomes somewhat pointless. The ringer can also be removed to make room for the transformer. Test the switch, mount it, and label T and M.

Many exciting new handsets of the tone/pulse switchable type have an extra switch: KEYPAD IN/OUT. I assume this is to prevent accidentally dialing with your shoulder. This will not be discussed.

One last feature these new handsets have is a polarity test. This can be useful. Obtain one green and one red LED, an SPST momentary pushbutton, and a 1k ohm resistor. Refer to Figure 2. Connect the anode of the green LED to the cathode of the red one and to the resistor. Tie the cathode of the green to the anode of the red and connect that to the Tip. Connect the free end of the resistor to the button and the other side of the button to the Ring. Make sure that the cathode of the green is wired to the

black alligator clip. When the button is pressed the green LED will light if the red clip is on the positive (+) and the black clip on the negative (-). Note: The polarity test will create an off-hook status.

Thanks go to The Extremist and The Terminal Man for their text file, Gauge Box Construction and Use dated Friday 17 May 1985, which detailed the construction reiterated in paragraph two. The type of phone tap I employed in adding the monitor mode was first brought to my attention in a text file by The Phantom (fido@date unavailable). Note that if your speaker is not eight ohm you will have to use a different transformer; check with the outfit you get your .47 microfarad capacitor from.

Lastly, Radio Shack no longer carries .47 microfarad capacitors. I wonder why? Other electronics distributors do. You may also find them in phone equipment relating the ringer from the line.

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DESCRAMBLING CABLE

by Dr. Clayton Phorester

If you were thinking about opening your cable box, don't! Most cable boxes have a small metal connector in the front right of the box. Once the lid is off, the connection is broken and a little battery inside remembers. I learned this the hard way with a Pioneer converter. Once the connection broke, the little channel display on the box will go all screwy, and the only button that will work is the power button. If you *did* open the box, you would now notice that whenever you turn the TV on, it goes to a preset station and can't be changed. This station is usually the one that your box displays when you tune to a premium channel that you don't subscribe to. At any rate, cable companies will fine you around \$25 to reactivate your box.

And if they think you've tampered with it, that goes up to \$4000 (according to California law). All the cable company has to do is press a few keys on their cheap computers in their cozy little offices to get the box at your house back on line. Land you thought their regular rates were bad!

If you did open it, maybe you could tell them that it fell on the floor during an earthquake or something. Or, you could do what I did: I told my cable operator that I was throwing away a TV, and was going to return my cable box. Well, I returned the box (after I closed it back up, of course) and about a month later I told my cable company that I got a new TV. I went

to the cable office and picked up a new box. Result: I got a perfectly good box, while some dumb Wilson got the old tempered- with one! And, of course, the Wilson won't know what the hell's going on when his box doesn't work, so he'll call the cable company and complain. The cable company (arrogant as they all are) will naturally assume that this person was trying to tamper with it, and they aren't gonna believe anything this guy is gonna tell them. *Nah Nah Nah!* That's just my sick sense of humor.

The point is: don't open the damn box! Inside there are a hundred little dials, screws, and thingamabobbers, but messing with them won't do you a hell of a lot of good if the box won't respond to any commands in the first place!

I just recently downloaded from a local BBS the following instructions to make a cable descrambler. It appears to have been uploaded in 1988 (how's that for sysop incompetence?) but it's worth a shot anyway. I'm almost certain that it won't work with a handful of cable systems because every one is different in its own little perverse kind of way. In Step 6, the author assumes that you will be using a cable box. I don't think that having a box is a requirement, because I don't have one, and my descrambler works just fine. On my cable system, boxes are an option for all TVs that don't go any higher than Channel 13, and TVs that you want to receive premium channels. So if you have one or not, don't

sweat it. Enough talk! Whip out your wallet, your car keys, your soldering iron, and kick some cable company butt!

How To Build a Pay TV

Descrambler

Author Unknown

Materials Required

- 1 Radio Shack mini-box (RS #270-2351)
- 1 1/4 watt resistor, 2.2k-2.4k ohm (RS #271-13251)
- 1 75pf 100pf variable capacitor (hard to find)
- 2 F61a chassis-type coaxial connectors (RS #278-212)
- 12" No. 12 solid copper wire
- 12" RG59 coaxial cable

Instructions

1. Bare a length of No. 12 gauge solid copper wire and twist around a 3/8 inch nail or rod to form a coil of nine turns. Elongate coil to a length of 1 1/2 inches and form right angle bands on each end.
2. Solder the variable capacitor to the coil. It doesn't matter where you solder it; it still does the same job. The best place for it is in the center with the adjustment screw facing upward. Note: When it comes time to place coil in box, the coil must be grounded. This can be done by crazy-gluing a piece of rubber to the bottom of the box and securing the coil to it.
3. Tap coil at points 2 1/2 turns from ends of coil and solder to coaxial chassis connectors, bringing tap leads through holes in chassis box. Use as little wire as possible.
4. Solder resistor to center of coil and ground other end of resistor to chassis box, using solder lug and small screw.

5. Drill a 1/2 inch diameter hole in mini-box cover to permit adjustment of the variable capacitor from the outside.

6. Place device in line with existing cable on either side of the converter box and connect to a television set with the piece of RG59 coaxial cable. Set television to HBO channel.

7. Using a plastic screwdriver (or anything else non-metallic), adjust the variable capacitor until picture tunes in. Sit back, relax, and enjoy!

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Secret Service on Trial

BY JIM WARD
WITH
MIMI

Day One

DATILINE: January 26, 1993 - The beginning of three strange days of Federal District Court in Aspen, Texas. A few dozen cops on the ground and still air descends on the "Scrapheap of Cyberpunk" as I ride down to Judge Sparks' courtroom. I have to check my aim at the X-ray desk - policy. Even then some big Federal Mu-choo gun pulls me out of a justice crowd to demand ID and lecture about "we expect to a courtroom." It's a task performed with apprehension because today of all days, the feds must take the stand - period for a full 800-telephone-at-night team, at the hand of a mob of frenzied "Computer Freaks." You can see it written in the eyes of each 55 upon sentencing the court room. Today the feds themselves are on trial; today they can no longer run and hide.

First we must wait for Judge Sparks to clear the docket. A jury deliberates its eventual "guilty" verdict on a guy who's sent on 11 years-odd in so much a book store and Sparks requires to send that guy on his date trip to camp. Outside the gates in our case goes forward... Ed Cravens, vice president of ECF Austin, recent UT Austin Law School grad and a great friend, because of the work in anticipation. This is Ed's first case; he's been a spring for years, runs a popular 9195 in Austin called "Barbecue Gardens", and grabbed a bloody break by educating the local newspaper's night lunch law firm - Coopers, Denison, and Fernald - about the secure ways of computing and BBS's. Shorty Stank of the Electronic Frontier Foundation - major underwriter for the plaintiff's legal fees - works the field for her home office, Joe Abernathy of the Houston Chronicle and Village Voice - probably the first major newspaper columnist to cover computer underground issues on a regular basis - presses flesh in



Foley

an attempt to uncover dirt. Steve Jackson stands nervously, chewing, trying to maintain a good humor among plaintiff groups which even includes his

room. A vague array of fed spokes and lawyers crowd the courtroom shadows, avoiding all contact. Lawyers

from both sides baffle and boggle in a last minute settlement procedure which also when the SS claims they "lack enough 'evidence' to cover Steve Jackson's Guilt" legal fees. Well, we'll see, eh?

Sparks delays the trial until after lunch. Lower-tier SS agents talk about resources, so I cut them out to dine at the next table after they agree they get up in disgust and move on to the back of the courtroom.

"The Court calls the case of SAG et al versus SS et al in order..." Plaintiff, with lawyer Dick Kennedy at the head, introduces witnesses: Stephen O'Sullivan, Elizabeth McCoy, and Walter Milliken - SAG witness and one of the several thousand SAG who'd joined in the lawsuit as plaintiffs - along with Wayne Bell, developer of "WVTV" bulletin board software - Government defense witnesses Larry Coakley - former UT Austin "computer guy" - and SS agents Tim Foley and Barbara Gribble.

Timothy Michael Foley states the state under cross examination, Loyola University - 84 Loyd Street grad trial lawyer for 2 1/2 years, lawyer of the US Grand Bureau - a good shoo-by in my other life. Foley was the SS agent assigned to the "1991 Document Investigation and his sworn affidavit to Fed Magistrate Stephen Caputo early in 1990 led to a search warrant for the SS raid on SAG. Foley's humble defense story about his computer expertise, being off being on duty at SS Coahuila Federal Station, just how he learned about "social engineering" there in mid 89, only months prior to the decision to raid SAG. Foley talks boldly of phone 434 and the Coles Steiner case, allegedly to explain BITNET to the judges, then mentions the Phoenix Project - a "separated leader BBS" special in Austin by "The Mercs" (John Loyd Blankenship) and "The Bloodies" (Gus Chris Coopers, and thought by the SS in 1990 to contain secret access for intrusion on "computer crime". One of the setups worked for SAG and Coahuila has the only grounds for the raid. However, under oath Foley admits that at the time of his affidavit to Caputo he didn't have any idea showing the 9911 document ever even reached the Manhattan BBS and SAG. Moreover, Foley confesses to know that Jackson's expert Hank Kluge had earlier told him that Jackson's later had never logged into BITNET. When asked about the alleged interesting SAG project called COLORED COOPERATE, Foley states "I didn't read through the game"

Not satisfied in continuing on for, but enough to show that the SS had not made a full disclosure to Magistrate Caputo before obtaining a search warrant. From so, however, the Government is offering:

Topwades, Mark Batten, a tall, slim, long-haired assistant US Attorney. Batten leaves unexplained in detail the speeds most of his 60 hours getting DOS games to

the Microsoft. I get a Mike in college and I've been

doing one over case" benefits including lunch! Batten later Foley and Coakley by having him lead SS guard the SS didn't have social Federal services search him; evidence of equipment from public use.

Next we get Officer Larry Coakley on the stand. Coakley has been with the UT Austin police for years but lately seems to be working for computer crime. The SS search warrant against SAG obtained the 9222222 Coakley had provided - FBI Justice Information System (not BITNET) and used one of Coakley's statements. However, Coakley says the alleged source was Steve Blankenship, was never affiliated with UT Austin nor in the school database. Coakley claims the document was printed after the SAG raid. Mark that Officer Coakley is reportedly the father of a "Tom SAG", but is reportedly the deceased husband of the feds. Coakley has it that the Coakley's lawyer's car spent a silly FBI bumper sticker. Ladies are gentlemen, this makes a case for the feds. But you know SS agent - Barbara Gribble from the Coahuila case - since the social bulletin board found, independent search. But a third grade teacher surprised in a file that she answers in filed, narrow slips of paper and "WVTV" (Walter - who was under the SAG raid and computer equipment seizure - denies under oath that she "didn't know much about computers" - cannot the "child" know about search rules for publishers? But anyway that Steve Jackson comes that - the resource publisher of publishing game books - wrote a publisher. Plaintiff calls for a

witness of the raid - recorded by the SS - to be named as witnesses. After several shorty attempts (Sparks jokes "the record show that no one needs sequentially separate the PCR although there was several attempts by various lawyers" - the video tapes spine in very record of the early morning bust on March 1, 1990. Other video show how about printing schedules and nothing through somebody from SAG works in either; shooting "We are a publisher" (Coopers doesn't get much more than that and rumor has it that Coopers's secretariatist Bruce Shilling will show a copy of the tape so's Coopers during his next feature hour.

Steve Coles Jackson faces into the hot seat next. Steve, who attended law school before becoming a gaming theory entrepreneur in 1980, restated the essence of his game and it shows. Over the course of the afternoon and the next morning, Steve's lawyer pulls him through an extended testimony: the nature of role playing games (RPG), creation of the COLORED COOPERATE role playing system of "Cyberpunk" as a literary genre in words such as 1981-1982 Vectorware... information for the several COLORED COOPERATE to have been a literary series. That book was key to our company's financial well being - distribution of the game series of new product each day; Steve's lawyer says the series of new product each month. Jackson goes on to describe the "information" that he didn't even know who it was sent by in the 1980s and Coakley heard capturing it. We had

had to find out how the BBS was set up..." At that point Steve says Jackson explains what appears to be his main objection against the government "after the fact" I saw my employees being searched... He couldn't see any way out in his mind, without doing cases, so we had get eight people out of 18... If the Secret Service had just come with a subpoena we would have



Gribble

showed in report every file in the database for them. Steve shows the first log's copy, many with an illegible amount of listing to claim copies of his search data - vital because research and publication data which were used for months with no explanation from Agent Foley.

Steve begins to get COLORED COOPERATE. "Do you realize you're withholding information on how to connect computer crime?" Foley: "No, it's not!"

Day Two

Defendant Counsel Mark Batten cross-examines Jackson in a carefully scripted to imply the SAG was in financial trouble before the raid but recovered to post-fidelity afterwards. Judge Sparks interrupts: "Because it was ruled by the Grand Jury that the Government claiming they bought his business by leasing equipment?"

Coopers counters with a conceptual night book "So, your father..." after Batten into a speech one hour from the SAG game. Foley's reaction from the rail, and how SAG capitalized on public's surrounding the SS search. Defense tries to pin the case on Steve's former "being a very dangerous threat?"

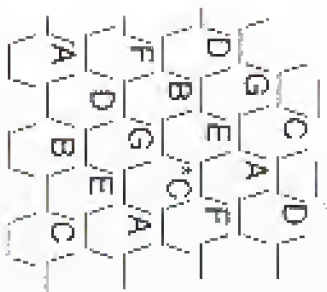
Justice: "I'm not sure I am a writer, but it is very hard to say."

Elizabeth McCoy takes the stand next. As an interviewee I even wonder her side, she'd been a board moderator on part of the secret COLORED COOPERATE. Elizabeth testifies that her program "was severely damaged by the raid" and goes on to read a press release message that was on the signed BBS and supposedly investigated by the SS. "The message contains a beautiful money personal hour from SAG

and to find out how the BBS was set up..." At that point Steve says Jackson explains what appears to be his main objection against the government "after the fact" I saw my employees being searched... He couldn't see any way out in his mind, without doing cases, so we had get eight people out of 18... If the Secret Service had just come with a subpoena we would have

Continued from page 111

Meaning of the bear: this is, obviously, going to be over that involving the minkies. The cell base sites are towers (usually) that sit in a triangle-shaped "beef" on top, and spreading a couple of them appear to be without antennae. These base sites have a range of three to five miles. If you look a look at the triangulation diagram, you can see how they are laid out. The cell transmitter is in the middle of the cell. It is possible to hear many, most, or all of the cells in your city, depending on your location. This does not limit to a hexagonal, the greater the chances of your being able to receive more cells. Due to the nature of radio signals, the actual cell shape is more or less round. However, the hexagon shape lends itself better to how the system is laid out. With a standard coverage area, there will be some overlapping between adjacent cells.



If, for example, you live near the network "F" in the above diagram, you will be able to readily hear the G, C, E, and A cells you're near. Since the maximum coverage range of a cell is three to five miles, you'll be able to hear them as his farther away. However, due to the nature of the FSI frequencies in the cell sites (they capture only the strongest signal), you should be able to hear all seven cells. Which one of each cell you hear will depend on your location, and the strength of the received signal. In the above diagram, you'll most likely hear the F cell in the upper right, rather than the

one on the left.

Mobile reception is affected a great deal when you have an outdoor antenna. And, since the mobile will be required on the cell site, it's better to listen to the cell frequencies. You may not be able to hear both sides of the conversation if you listen only to the mobile frequencies. It is useful, however, for determining which channel cell you're in. If you use the antenna that came with the scanner, mobile ranges will be determined down to one or two miles. By checking the station website against the cell site (413 630 825-800 MHz), you can tell what cell the mobile is in. This is also useful on the cell site frequencies. If you hear someone say, "I'm at the corner of Highway 99 and 27," and you know where the cell site antenna is in the area, you can check the frequency listing above and determine what cell that antenna belongs to.

Where to Get What You Want!

Obviously, a device is needed to show what a tower, FSI, NEXUS, etc. of the cellular antennas. Here's the stuff I found so far that is under \$200 (0th and 1st class):

CCS Company, P.O. Box 11194, Milwaukee, WI 53211 (414) 281-2481 They sell everything you need for \$80 to \$200. Kits are cheaper. Their device monitors between 1000 mhz capable scanner and your computer. Make sure you tell them you want the REVERSE mode! (DUI, This is what I use.)

Current Electro Devices, 1245 Pear Ave, Mountain View, CA 94043 (800) 333-7790, Ext 415-944-NEXA They sell an FSI reader for \$220 that can read FSI, NEXUS, etc. But gets from a short distance (maximum is 50 feet). They also sell a security model for \$195 and a NEXA programmer for \$175. They publish a book called NEXA FAX for \$179 (call 800 you have so a program handbook of different cellular through the keypad on the handset. (Note: You can't reprogram FSI's through the keypad unless you re-write the phone's software.)

Wardtek Communications, Div., 4808 Churchoak Dr. pass, Indianapolis, IN 46204-6109 (800) 445-6156 or 317 759-5955 They sell a "Circle ID" Tracker" that's very similar to CCS's FSI reader but supposedly has a longer range. (Note: \$195).

Posidham Enterprises, 4519 Orange Grove Ave., Sacramento, CA 95841 (916) 924-8001 They sell green sensors for \$199.95 (if bought in quantity).

Mobesoft (800) 455-2202 They sell a cellular service manual that's used in their cellular service classes for \$30. Ask for the Order Fulfillment department. Phone # (626) 663-0060. This manual sells it all. An absolute must to have.

Radio Company (800) 829-0572 They publish books similar to Circle's Number. Send for sample.

Cellular Security

Well, we know a properly coded cell phone is virtually impossible to detect. Or is it? Security companies, such as installing cell phones, re-subscribers' initiatives to secure use, too, when 200 calls to 1237 phone us in a day or 80 long distance calls in Orlino, Kansas show up in a door phone. All kinds of Feds and whistles go off! The company embassies will soon keep records of people that cell numbers that have been previously called by handset phones and flag the phone calling the number as a potential fraudulent probe. These flags can be set to go off by a number of parameters: number of long distance calls per hour/day/month, etc. Another method they use is when the cell phone places a call and the 1237 phone places another call across state lines, you form a distance from the last call that's impossible to travel in such a short period of time.

Example: At 5 pm Friday, Probe A calls from Manhattan and completes call at 5:10 pm. At 5:12 pm Cleveland phone B calls from Queens. No one can travel those distances in two minutes, thus that FSI/NEXUS is suspect as a close by cell phone computer. These computers are just now starting to be used at larger cities. Smart software will track a flagged cell phone from cell site to cell site.

Conversing the appropriate cell company software tools for cell site FSI's, man scanner, model 9024, etc. (not produced by the cellular phone as the RT-URR2 handset). If you experience all that data left the network and transmitter, it in the direct phone, discussion in this manual because really impossible!

Since digital tools have been known to use (see ID and copy to subscriber to a cellular service, then turn out the phone before the first month's bill arrives to the unsuspecting real person.

The figure for cellular fraud is wide open. An average server software of the year 2000 blocks of cellular phones in software scanners "checked" and re-checked and so on, via the underground, fraud will increase like wildfire. Virtually nothing can be done to stop the informed phone network as the well change FSI/NEXUS, etc. easily and frequently. A new scanner soon that the 2000 have been was discovered to just now coming in cellular checking.

Since I'm taking the content of the log for the first time here, I really don't the text needed to read further (cannot see BUO Boy) (She, after 12 years I finally go to Rome a few).

THE EXCLUSIVE 2600 HACKER VIDEO

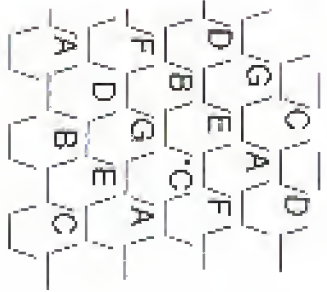
Dramatic actual footage of Dutch hackers getting into an American military computer system in the summer of 1991. May be too intense for young viewers.

\$10, VHS NTSC format
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Cellular Magic

(Continued from page 11)

Monitoring of these sites is obviously going to be easier than monitoring the mobiles. The cell base sites are towers (usually built with a triangle-shaped "tower" on top) and carrying a code of what appears to be vertical antennas. These base sites have a range of three to five miles. If you take a look at the base-stations diagram, you can see how they are laid out. The cell base-station is in the middle of the cell. It is possible to hear many, many, of all of the cells in your city, depending on your location. The closer you live to a base-station, the greater the chances of your being able to receive more cells. Due to the nature of radio signals, the actual cell range is more or less round. However, the base-station base has been rounded. However, the system is laid out. With a cellular coverage area, there will be some overlapping between adjacent cells.



If, for example, you live near the center of the above diagram, you will be able to easily hear the G, C, E, and A cells, you're near. Since the maximum potential range of a cell is three to five miles, you'll be able to hear three or four further away. However, due to the nature of the FM characteristics of the cell sites, they require only the strongest signals; you should be able to hear all seven cells. Which one of each cell you hear will depend on your location and the strength of the received signal. In the above diagram, you'll most likely hear the E cell in the upper right, rather than the

receiving cell.

Mobile reception is almost a waste of time unless you have an outdoor antenna. And, since the number will be repeated on the cell site, it's better to listen to the cell frequencies. You may not be able to hear both sides of the conversation if you're only on the mobile "frequency." It is a useful, however, for determining which channel will yield in. If you use the antenna that came with the system, mobile range will be decreased down to one or two miles. By purchasing an outdoor antenna, you can get the above 1935 MHz/950 MHz; you can get what you need for the mobile. This is also a cell in the cell site frequencies. If you hear someone say, "I'm at the corner of highway 7E and 7N," and you know where the cell site antenna is in the area, you can check the frequency being above and determine what cell they are on.

Where to Get What You Need!

Obviously, a device is needed to download all these GSM data, etc. of the cellular antennas. There's the standard software for the 9500/1015 and a cheap hobby.

CCS Company, P.O. Box 11191, Milwaukee, WI 53211 414-351-3443 They sell everything you need for \$300 to \$400. Kits are cheaper. Their device interfaces between an 800 mhz mobile scanner and your computer. Make sure you get them you want the REVERSE model DIX (this is what I use).

Curlics Electro Devices, 1135 Pear Ave., Mountain View, CA 94043 (800) 333-2994, Fax 415-644-8743 They sell an GSM reader for \$1395 that can read GSM/ISDN, etc. You only need a short distance (maximum is 30 feet). They also sell a scanner model for \$1395 and a NAM programmer for \$1197. They publish a book called GSM/ISDN for \$179 that tells you how to re-program standards of different stations through the keypad or the hardware (Note: You can't re-program GSM's through the keypad unless you're within the phone's software).

Waztek Communications, P.O. 8348 Churchman Bypass, Indianapolis, IN 46203-4109 (800) 846-6356 or 317-788-9645 They sell a "Cellular ID Tracker" that's real similar to Unit's GSM reader but supposedly has a longer range. Price \$1495.

Needham Electronics, 6539 Orange Grove Ave., Sacramento, CA 95841 (916) 424-4037 They sell programmable for \$129.95 (I bought mine myself).

Motorola (800) 444-5303 They sell a cellular service manual that's used in their cellular service divisions for \$50. Ask for the Order Fulfillment department. Item # 68-095-07666. This manual tells it all. You should need to have.

Bishop Computers, 1600-428-1073 They publish books similar to Curlic's manuals. Send for catalog.

Cellular Security

Well, we know a properly coded cell phone is virtually impossible to detect. Or is it? Security companies rely on watching cell patterns of subscribers' behavior to current use. In fact, 200 calls in GSM show up in a day or so; long distance calls are frequent. Although show up in a short period, all kinds of things and what's going on. The security companies will even keep records of people that call numbers that have been previously called by unusual phones, and flag the phone calling that number as a potential fraudulent phone. These calls can be sent to an office by a number of parameters: number of long distance calls per hour/day/month, etc. Another method they use is to watch the cell phone patterns and flag the potential phone phone number call seen elsewhere, but from a distance from the cell that's impossible to trace in such a short period of time.

Example: At 5 pm Friday, Phone A calls from Manhattan and compares call at 5:07 pm. At 5:12 pm, Grand Master B calls from Hawaii. No one can travel those distances in two minutes, thus that GSM/ISDN is flagged as a close by the phone company. These numbers are just now starting to be used in large areas. Some software will track a flagged cell phone

From cell site to cell site.

Consumer departments of cell company systems look for an address GSM's number-in-cell model, GSM's are that are less likely to be cellular phone on its REVERSE channel. If you capture all that data of the service there, and recognize it in the related phone, etc. (even as it's method becomes nearly impossible).

Some things that have been shown to use the ID and code to subscribe to a cellular service, that some of the phone codes for the month's bill arrives to the programming and power.

Conclusion

The base for cellular fraud is wide open. As the secret software of the over 300 models of cellular phones in existence becomes "reverse" and retransmit and spread via the underground, fraud will increase. The software, virtually nothing can be done to stop the informed phone phone, as he will change GSM/ISDN's, etc. easily and frequently. A new era has been seen in the GSM world that was discovered by just now. Security via cellular tracking.

Since I'm listing the call out of the bag for the 51st time here, I really don't see the need to read more than the GSM User 1988, year 13 years. I finally get to name a loss.

THE EXCLUSIVE 2600 HACKER VIDEO

Dramatic actual footage of Dutch hackers getting into an American military computer system in the summer of 1991. May be too intense for young viewers.

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exposure to UNIX with a basic knowledge. They were able to find out the basic structure of the account and system, wander around a bit, but did not do anything sophisticated. The first quarter had at least competent users; some whom quite expect. They were able to discover some of internal, find most items of importance, gain further privileges, and attempt to hide the account further than usual.

From the 50 percent of users who were UNIX competent, only one third of them tried to gain privileges. The other two thirds must have been careful where they were at. Of the other, the most popular scheme used to gain privileges was to read the password file (which, like in UNIX, is publicly readable but encrypted). This was not a bit surprising to me, since the Cornell team used essentially the same method. Many articles have talked about it, some showing how in a cookbook recipe manner the steps were taken. Users would try to decrypt the password file and gain the root password. The next most common method was to run commands to the shell line of a more privileged account. This wasn't surprising either, since much ado has been made about that. The rest seemed to be evenly spread across or near bugs, trying to get in characters which ran shells in privileged modes, or some other method.

From the third of the users left over, 32 percent of them succeeded in raising the accounts' privileges. Out of that 32 percent, 68 percent of the people were able to get at least operator privileges. Out of that 68 percent, 15 percent (25 people) were able to get root privileges. I didn't know though if that was one person who got root privileges 25 times or 25 different people. The program I had written only only mimicked the root privileges, and did not allow total control of the machine.

The sophistication of the user was directly related to the amount of "sawd" things the user did. Some of the kiddies did some neat stunts things, like creating files saying something like, Ha, Ha, in a hacker and in a system, deleting files, or editing files in an obvious manner. Others romped around the system, checking out every file in every sub directory. Other items which were not as obvious were using the help files excessively, entering many incorrect commands consecutively, and constantly trying to access items for which they had insufficient privileges. The most

knowledgeable users liked to hide their presence. Some of them successfully edited the user log without leaving a trace, kept a low profile of activities, and did not pay the games at all or for great lengths of time. Out of those who gained privileges, there was only one incidence of someone deleting a file on purpose without cause.

Overall, the kiddie account logged in 2,017 users. The hacker account logged 365 users, and the academic account logged 365 users. I have no way of knowing though how many unique people used the accounts. I was disappointed at the low turnout from the academic community. I talked to somebody I had given the account to, and some of the reasons seemed to be that some people just weren't into hacking, had legitimate accounts, were not curious about other systems, and just didn't want to risk getting into trouble.

Overall, the most inappropriate users came from the kiddie account. The hacker account seemed to be more familiar with all of the system nuances, but had an overall understanding of the system. The academic account was just the opposite; they knew how to work the system, but did not know of the security shortcomings of UNIX. However, the best users came from the academic account, where there was probably an elite group of students who are about hackers.

One side effect came shortly after I posted the original message on BBS's. Soon, other people started posting the kiddie account password for them, claiming they got it from a friend or had "tricked" it themselves. That's why when the sysops deleted my messages, I wasn't worried, because enough people had seen to spread the word around.

I had expected some law agency to take an eyebrow and look into the matter. After all, I had done a pretty blunt thing. I did not get any questions about it though, nor did the person who owned the phone number. But then again, maybe somebody did, and I just don't know about it.

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Getting your file...

by Raymond

There exists, somewhere, a file on you. Maybe you know about it, maybe you don't. It's there either way. As some Check your credit said, know Thyself. At the very least, know what they know.

The following addresses are useful for getting your credit records. Call or write, and they'll probably be "lead" enough to walk you through the process of getting one. For a fee.

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Box 740231
Atlanta, GA 30374-0231
800-685-1111

Your credit history is available for \$2 in Maine and Missouri, \$5 in Maryland, \$15 in Massachusetts, \$10 in New York. See our ad elsewhere.

TRW Consumer Credit/Inquiry Report
Box 2450

Chattanooga, CA 91313-2350
214-235-1200 (Dallas HQ)

(This is the address to use if you have not been denied credit in the past sixty days.)

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North Olmsted, OH 44070
216-779-2378

Free if you've been denied credit in the past sixty days. Otherwise, \$15 for an individual account report, \$30 for a joint account report.

Keep in mind, requesting copies of your credit history affects your credit history regularly. I guess they figure if a lot of people are checking you out, there must be some cause for concern. If you do this at all, do it once a year. Also, a loan won't know someone's credit rating, though the volume at which you'd have to do it would assume otherwise.

The next address is for medical information.

Unlike requesting credit reports, this shouldn't be necessary after your filing.

Medical Information Bureau
Box 108

Essex Station
Boston, MA 02112
617-426-3660

Free, before or after.

Now for the fun stuff. Use these next addresses to get information about you, identical records, or just to see if the feds have you listed as someone worth watching. Incidentally, if you don't have a record with them, requesting copies of one will make them start one. Again, I guess the reasoning is if you ask, you must have something to hide.

Federal Bureau of Investigation
Attn: Freedom of Information Section

11th St. and Pennsylvania Ave., NW
Washington, DC 20535
202-334-4530

This is the address to use if you do not have a criminal record.

The first 100 pages are free, but then it's \$5.00 a page. If your report is more than 100 pages long, well... hell, just pay.

Federal Bureau of Investigation
Identification Div., Rm. 10904

1104 St. and Pennsylvania Ave., NW
Washington, DC 20535
202-334-2222

This is the address to use if you do have a criminal record.

This covers you, seventeen bucks, because come on, you ain't worth fifty. Criminals do.

The next interesting, but by no means least useful, address is the next one, for Social Security information.

Social Security Administration
Wilkes-Barre Field Operations Ctr.

Box 20
Wilkes-Barre, PA 18767-0020
800-772-4113

This is free. Since it's also a government office, I'd request a report three or four times a day. Get the most bang for your taxpayer buck, but please... recycle all that paper.

Lawsuit Filed Against Secret Service

Action is Taken On Behalf of DC 2600 Meeting

The Secret Service may have thought that harassing a motley crew of law-bers in a shopping mall would have resulted in nothing more than the intended goal of sending them scurrying back to their underground hideouts, finally securing a knock at the door. But when the Washington D.C. 2600 meeting was obtained, searched, and cleared from Benjamin Chis, and by mail security officials, seemingly acting on behalf of the Secret Service, we knew exactly where to go: to the press and the lawyers.

Since the incident, articles have appeared in the *Journal of Contemporary Law*, the *Washington City Paper*, even a three-page story in the *Washington Post*. This is in addition to an uncounted number of pieces throughout the Internet and over bulletin boards. This is certainly more attention for anyone at the Secret Service could have anticipated.

Unfortunately for them, they were not ever allowed to sink away, and faced at their bested job. Computer professionals for Social Responsibility, whose membership applications were stated at the November meeting, were the first to express interest in our presentation. The Electronic Frontier Foundation and the American Civil Liberties Union would soon follow in offering their legal counsel.

CPSR filed two Freedom of Information Act requests with the Secret Service on behalf of several Washingtonians who were interviewed in possible legal action against the perpetrators of the "raid". The Secret Service refused the requests, saying that they had no information on any of the

meeting-goers. This immediately raised suspicion, as the mail security personnel and everyone's name and phone number at the November meeting. Presumably this information was on file somewhere. Also, one of the meeting-goers had been visited by the Secret Service about two years ago, something unrelated to anything computer-related. Presumably a file was created on him at that time, and yet the Secret Service said they had no information on anyone involved. Therefore, one of the meeting-goers was visited by the Secret Service subsequent to the meeting. During this visit, one of the agents made reference to his name being on "the mail list". It seems highly unlikely that the Secret Service had absolutely no information on any of the people or whose behalf CPSR filed FOIA requests.

Acting on this strong suspicion, on February 4th, CPSR filed suit against the Secret Service for failing to provide information requested under the Freedom of Information Act. The SS has thirty days to respond.

All of this is usually a preliminary game of legal hide-and-seek to establish what role, if any, the Secret Service and other government agencies might have played in the November 2600 raid. Once everyone involved stops contradicting each other and a clearer image forms of who was behind the harassment, we can begin to consider other possible legal avenues to send the thieves their due message about what to expect when trying to intimidate a group of hackers.

Stay tuned.

2600 ROBBED OF TOUCH TONES

All right, it isn't all that much of a story. But it is worthy of notice for nearly ten years, we've enjoyed the use of our touch tone phones here in the 2600 offices. But several months after our installation, we got over them a disaster in a 495 KHz digital switch, we found that all of our touch tone phones no longer had the dial tone. Yay etc. we have obviously refused to pay a sum large New York Telephone fees on articles that was a touch tone phone. The charge is some \$20 a month, but it's the principle. It's a fact that there is no special equipment needed in professional roles. Quite the contrary, it takes special equipment to receive touch tones. It's machine shop of

touch tones. Our phones still generate tones that are probably audible - only not for dialing. Fortunately, it wasn't hard at all to switch every third - phones - component, for machine - to pulse dial. It takes about a couple more for more \$5 and by we generate, the more we use the New York Telephone's equipment. Touch tones, and you.

To give you an idea of the absurdity of the situation, this is what New York Telephone has to offer into their computer programming services page:

FORM-1 (MKTG) CHG. TN=5113000, TTC=V2AND RCVAADPTXNT
They want resubmitting us \$150 to type that.

British News

by The Dark Knight

Sex, Lies, and

Autotape

The government clampdown on telephone charges appears to have had an unfortunate effect on internet telephone services.

Infinite, a West Country telephone sales business, may have to close after a judge ruled that its adult dating service was a type of chatline. As such, Infinite would have to pay 20,000 pounds towards a scheme to compensate BT customers who found their phone bills had rocketed because their children were constantly telephoning charities.

Anthony Chappell, proprietor of Infotale said the 20,000 pound bill would push his company into receivership. But worse still, Chappell said the regulations on chatlines would force him to record the customers' dating conversations. Chappell said the recordings would include the most intimate details.

On hearing this there are undoubtedly hundreds of sex readers writing in horror at the realisation that every time they ring an adult dating service their every word is being taped. I consider this to be an outrageous invasion of privacy, and hope that there will be a change in the law.

Keeping The Poles Apart

BT engineers are up in arms about telephone poles. They have refused to climb non-union poles which had been fitted by private firms in London and

Use Midlands.

It is a protest about changes to traditional working practices. The engineers had previously replaced old poles with new ones, but left the old poles to be collected at another time. This meant that they were paid twice for visiting the same site.

A compromise scheme is now in place whereby the engineers have agreed to pilot a bold new initiative dreamed up by BT.

They will collect the old poles at the same time as the new ones are fitted! **All Down To Those**

Family Connections

How many of you have experienced the pleasures of contacting BT's accounts department about that phone bill you know you're paid, but BT's computer says you haven't?

Sarah Carberg was sent a final reminder and one of those friendly letters advising you that your connection is in danger of being severed if you don't cough up. She obligingly delivered the forty pounds she owed.

Unfortunately there were a few crossed wires somewhere and Sarah was out of anyway. She complained. Nothing unusual in that, of course. People are always complaining about BT.

What is interesting is the several negative feedback comments to have generated. Not only was she swiftly reconnected, but BT has launched an internal inquiry into why this cock-up occurred in the first place.

Optimistic to the point, I would like to think this is indicative of a new era

of customer responsibility at BT, but I can't help feeling there were other factors in play here.

You see, Sarah Carberg just happens to be the daughter of Sir Bryan Carberg, who just happens to be the boss of telephone watchdog Ofcom, the perennial lion in the side of BT's prancing jester.

BT Charges Frustrate Competitors

The government has received proposals from over 20 companies wanting licenses to run telecommunications services, but a large number are expected to pull out because of excessive interconnection charges.

Following market deregulation in March, the department of Trade and Industry has received bids from companies keen to compete with BT and Mercury. But the proposed new system of connection to BT's network is seen as anti-competitive.

Vivienne Peters, chief executive at the Telecommunications Users' Association, said since the access connection proposals were announced members had expressed pessimism over the likelihood of any real competition.

"The proposals are a barrier to competition as profit levels will be too narrow for reinvestment. As companies are still unsure of what the cost will be it is difficult to make business plans. I expect a huge fall off in interest," said Peters.

Recently John Haswood, corporate affairs minister at the DTI, said a number of the twenty proposals included "substantial telecom-unications systems and innovative technological approaches."

National Telecommunications: the

engineering arm of the former Independent Broadcasting Authority, has expressed interest in providing telecom services.

A spokesman for National Telecommunications said the company was considering a number of options that combined its traditional broadcasting skills with telecommunications.

Northern Telecom has won a 5.8 million pound contract from BT's internal networks organisation. Northern Telecom is supplying an automatic call distribution system to speed up BT's pick-up rate on customer enquiries in Greater London.

Dorcy Communications, in collaboration with local supplier Dimiteron Praha, has won orders in Czechoslovakia totalling 700,000 pounds. Dorcy is to provide business and technical support as well as hardware, including X.25 packet switching networks, to the Czechoslovak state and commercial banks.

2600 HAS A FULL LINE OF BACK ISSUES FOR YOUR HACKING NEEDS. SEE PAGE 47 FOR DETAILS. (PAGE 47 HAS NO PAGE NUMBER.)

2600 MEETINGS

New York City

Clitcorp Center, in the lobby, near the payphones, 153 E 53rd St., between Lexington & 3rd. Payphones: 212-223-9011, 8927; 212-308-8024, 8192.

Poughkeepsie

South Hills Mall, off Route 9. By the payphones in front of Fado Shack next to the food court. Payphones: 914-897-9823, 9854, 9855.

Washington DC

Penhagon City Mall in the food court.

Cambridge, MA

Harvard Square, inside "The Garage" by the Plaza Pad on the second floor.

Danbury, CT

Danbury Fair Mall, off Exit 4 of I-84, in the food court. Payphones: 203-748-9995, 203-734-9854.

Philadelphia

30th Street Amtrak Station at 30th & Market, under the "Starwell 7" sign. Payphones: 215-222-8880, 9881, 9779, 9789, 9532, 215-397-9751.

Pittsburgh

Parkway Center Mall, south of downtown, on Route 279, in the food court.

Fort Lauderdale

West Hollywood Bowling Alley, 296 South Stage Route 7. Call voice mail for details or changes: 305-583-9214, 1004.

Atlanta

Meetings announced on local BBS 14341 612-0340.

Chicago

Century Mall, 2828 Oak St., lower level, by the payphones: 312-923-2695, 2875, 2955, 2994, 2987.

Ann Arbor, MI

Galleria on South University. Payphones: 313-663-9727, 9410.

Bloomington, IN

Mall of America, food court.

St. Louis

Galleria, Highway 40 and Brentwood, lower level, food court area, by the dealers.

Austin

Northcross Mall, across the skating rink from the food court, next to Pipe World. Payphones: 512-453-9834, 9855, 9816.

Los Angeles

Union Station, corner of Main & Alameda inside main entrance by back of phones. Payphones: 213-572-9558, 9388, 9506, 9519, 9520, 213-925-9923, 9924, 213-214-3849, 9972, 9918, 9525.

San Francisco

4 Embarcadero Place (inside). Payphones: 415-398-9903, 4, 5, 6.

Seattle

Washington State Convention Center, first floor. Payphones: 206-345-9300, 9301, 9304, 9309.

Munich, Germany

Hauptbahnhof (Central Station), first floor, by Burger King and the payphones. (One stop on the S-Bahn from Hackerbrunnen - Hackerbrideg) Birthplace of Hacker-Factor beer. Payphones: +49-89-591-855, +49-89-592-541, 542, 543, 544, 545.

All meetings take place on the first Friday of the month from approximately 5 pm to 8 pm local time. To start a meeting in your city, leave a message and phone number at (516) 757-2800.

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